



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI 
[\[Sign In\]](#) [\[Register\]](#)

[All Databases](#) [PubMed](#) [Nucleotide](#) [Protein](#) [Genome](#) [Structure](#) [OMIM](#) [PMC](#) [Journals](#) [Books](#)

Search for [Save Search](#)

[Limits](#) [Preview/Index](#) [History](#) [Clipboard](#) [Details](#)

See [Details](#). No items found.

[About Entrez](#)


[Text Version](#)

[Entrez PubMed](#)

[Overview](#)

[Help | FAQ](#)

[Tutorials](#)

[New/Noteworthy](#) 

[E-Utilities](#)

[PubMed Services](#)

[Journals Database](#)

[MeSH Database](#)

[Single Citation](#)

[Matcher](#)

[Batch Citation](#)

[Matcher](#)

[Clinical Queries](#)

[Special Queries](#)

[LinkOut](#)

[My NCBI](#)

[Related Resources](#)

[Order Documents](#)

[NLM Mobile](#)

[NLM Catalog](#)

[NLM Gateway](#)

[TOXNET](#)

[Consumer Health](#)

[Clinical Alerts](#)

[ClinicalTrials.gov](#)

[PubMed Central](#)

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623SQS

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *
* *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent
records			
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and
enhanced			
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and
			USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	10	JUN 02	The first reclassification of IPC codes now
complete in			
			INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search
and			
			and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL
and PCTFULL			
NEWS	13	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUL 14	FSTA enhanced with Japanese patents
NEWS	15	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS EXPRESS			
		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT
			MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
			AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation
of IPC 8			
NEWS X25			X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:46:42 ON 22 AUG 2006

=> File Medline EMBASE Biosis Caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.62	4.62

FILE 'MEDLINE' ENTERED AT 18:59:44 ON 22 AUG 2006

FILE 'EMBASE' ENTERED AT 18:59:44 ON 22 AUG 2006
Copyright (c) 2006 Elsevier B.V. All rights reserved.

FILE 'BIOSIS' ENTERED AT 18:59:44 ON 22 AUG 2006
Copyright (c) 2006 The Thomson Corporation

FILE 'CAPLUS' ENTERED AT 18:59:44 ON 22 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (pas-B or (pas B) or pasB)
L1 170 (PAS-B OR (PAS B) OR PASB)

=> s l1 (8A) (variant or mutant or mutated or mutation or mutating
or substitute or substitution or substituted or substituting)
L2 21 L1 (8A) (VARIANT OR MUTANT OR MUTATED OR MUTATION OR
MUTATING
OR SUBSTITUTE OR SUBSTITUTION OR SUBSTITUTED OR
SUBSTITUTING)

=> duplicate
ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove
ENTER L# LIST OR (END):l2
DUPLICATE PREFERENCE IS 'MEDLINE, EMBASE, BIOSIS, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L2
L3 6 DUPLICATE REMOVE L2 (15 DUPLICATES REMOVED)

=> d 13 1-6 bib ab

L3 ANSWER 1 OF 6 MEDLINE on STN DUPLICATE 1
AN 2006144978 MEDLINE
DN PubMed ID: 16516852
TI Interaction of bHLH-PAS proteins involved in juvenile hormone
reception in
Drosophila.
AU Godlewski Jakub; Wang Shaoli; Wilson Thomas G
CS Department of Entomology, 400 Aronoff Laboratory, Ohio State
University,
Columbus, OH 43210, USA.
NC AI052290 (NIAID)
SO Biochemical and biophysical research communications, (2006 Apr
21) Vol.
342, No. 4, pp. 1305-11. Electronic Publication: 2006-02-28.
Journal code: 0372516. ISSN: 0006-291X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200605
ED Entered STN: 15 Mar 2006
Last Updated on STN: 5 May 2006
Entered Medline: 4 May 2006
AB The Methoprene-tolerant (Met) bHLH-PAS gene is involved in
juvenile
hormone (JH) action in Drosophila melanogaster as a likely
component of a
JH receptor. We expressed Met in Drosophila S2 cells and
explored for MET
partners using pull-down assays. MET-MET interaction was found
to occur.
The germ-cell expressed (gce) gene is another D. melanogaster
bHLH-PAS
gene with high homology to Met, and GCE formed heterodimers with
MET. In
the presence of JH or either of two JH agonists, MET-MET and
MET-GCE
formation was drastically reduced. Interaction between GCE and
MET having
N- or C-terminus truncations, bHLH or PAS-A domain deletions, or
a point
mutation in the PAS-B domain failed to occur.
However, JH-dependent interaction occurred between GCE and MET
having
point mutations in bHLH or PAS-A. During development, changes
in JH titer
may alter partner binding by MET and result in different gene
expression
patterns.

L3 ANSWER 2 OF 6 MEDLINE on STN DUPLICATE 2
 AN 2005432480 MEDLINE
 DN PubMed ID: 16098197
 TI Spectroscopic characterization of the isolated heme-bound PAS-B domain of neuronal PAS domain protein 2 associated with circadian rhythms.
 AU Koudo Ryoji; Kurokawa Hirofumi; Sato Emiko; Igarashi Jotaro; Uchida Takeshi; Sagami Ikuko; Kitagawa Teizo; Shimizu Toru
 CS Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan.
 SO The FEBS journal, (2005 Aug) Vol. 272, No. 16, pp. 4153-62. Journal code: 101229646. ISSN: 1742-464X.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200509
 ED Entered STN: 16 Aug 2005
 Last Updated on STN: 1 Oct 2005
 Entered Medline: 30 Sep 2005
 AB Neuronal PAS domain protein 2 (NPAS2) is an important transcription factor associated with circadian rhythms. This protein forms a heterodimer with BMAL1, which binds to the E-box sequence to mediate circadian rhythm-regulated transcription. NPAS2 has two PAS domains with heme-binding sites in the N-terminal portion. In this study, we overexpressed wild-type and His mutants of the PAS-B domain (residues 241-416) of mouse NPAS2 and then purified and characterized the isolated heme-bound proteins. Optical absorption spectra of the wild-type protein showed that the Fe(III), Fe(II) and Fe(II)-CO complexes are 6-co-ordinated low-spin complexes. On the other hand, resonance Raman spectra indicated that both the Fe(III) and Fe(II) complexes contain mixtures of 5-co-ordinated high-spin and 6-co-ordinated low-spin complexes. Based on inverse correlation between $\nu(\text{Fe-CO})$ and $\nu(\text{C-O})$ of the resonance Raman spectra, it appeared that the axial ligand trans to CO of the heme-bound PAS-B is His. Six His mutants (His266Ala, His289Ala, His300Ala, His302Ala, His329Ala, and His335Ala) were generated, and their optical absorption spectra were compared. The spectrum of the

His335Ala mutant indicated that its Fe(III) complex is the 5-co-ordinated high-spin complex, whereas, like the wild-type, the complexes for the five other His mutants were 6-co-ordinated low-spin complexes. Thus, our results suggest that one of the axial ligands of Fe(III) in PAS-B is His335. Also, binding kinetics suggest that heme binding to the PAS-B domain of NPAS2 is relatively weak compared with that of sperm whale myoglobin.

L3 ANSWER 3 OF 6 MEDLINE on STN DUPLICATE 3
 AN 2003605708 MEDLINE
 DN PubMed ID: 14551206
 TI Relationships between heme incorporation, tetramer formation, and catalysis of a heme-regulated phosphodiesterase from Escherichia coli: a study of deletion and site-directed mutants.
 AU Yoshimura Tokiko; Sagami Ikuko; Sasakura Yukie; Shimizu Toru
 CS Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai 980-8577, Japan.
 SO The Journal of biological chemistry, (2003 Dec 26) Vol. 278, No. 52, pp. 53105-11. Electronic Publication: 2003-10-09. Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200402
 ED Entered STN: 23 Dec 2003
 Last Updated on STN: 11 Feb 2004
 Entered Medline: 10 Feb 2004
 AB The heme-regulated phosphodiesterase (PDE) from Escherichia coli (Ec DOS) is a tetrameric protein composed of an N-terminal sensor domain (amino acids 1-201) containing two PAS domains (PAS-A, amino acids 21-84, and PAS-B, amino acids 144-201) and a C-terminal catalytic domain (amino acids 336-799). Heme is bound to the PAS-A domain, and the redox state of the heme iron regulates PDE activity. In our experiments, a H77A mutation and deletion of the PAS-B domain resulted in the loss of heme binding affinity to PAS-A. However, both

mutant proteins were still tetrameric and more active than the full-length wild-type enzyme (140% activity compared with full-length wild type), suggesting that heme binding is not essential for catalysis. An N-terminal truncated mutant (DeltaN147, amino acids 148-807) containing no PAS-A domain or heme displayed 160% activity compared with full-length wild-type protein, confirming that the heme-bound PAS-A domain is not required for catalytic activity. An analysis of C-terminal truncated mutants led to mapping of the regions responsible for tetramer formation and revealed PDE activity in tetrameric proteins only. Mutations at a putative metal-ion binding site (His-590, His-594) totally abolished PDE activity, suggesting that binding of Mg²⁺ to the site is essential for catalysis. Interestingly, the addition of the isolated PAS-A domain in the Fe²⁺ form to the full-length wild-type protein markedly enhanced PDE activity (>5-fold). This activation is probably because of structural changes in the catalytic site as a result of interactions between the isolated PAS-A domain and that of the holoenzyme.

L3 ANSWER 4 OF 6 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2003:230819 BIOSIS

DN PREV200300230819

TI Thymocyte alterations in CD2-driven constitutively active arylhydrocarbon receptor (AhR) transgenic mice.

AU Nohara, K. [Reprint Author]; Tsukumo, S. [Reprint Author]; Ito, T.

[Reprint Author]; Yamamoto, M.; Motohashi, H.; Hida, A.; Fujii-Kuriyama,

Y.; Inouye, K. [Reprint Author]; Nagai, H. [Reprint Author]; Tohyama, C.

[Reprint Author]

CS Environmental Health Sciences Division, National Institute for Environmental Studies, Tsukuba, Japan

SO Toxicological Sciences, (March 2003) Vol. 72, No. S-1, pp. 362. print.

Meeting Info.: 42nd Annual Meeting of the Society of Toxicology. Salt Lake

City, Utah, USA. March 09-13, 2003. Society of Toxicology.
ISSN: 1096-6080 (ISSN print).

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 14 May 2003
Last Updated on STN: 14 May 2003

L3 ANSWER 5 OF 6 MEDLINE on STN DUPLICATE 4
AN 2001664334 MEDLINE
DN PubMed ID: 11551926

TI Definition of a dioxin receptor mutant that is a constitutive
activator of
transcription: delineation of overlapping repression and ligand
binding
functions within the PAS domain.

AU McGuire J; Okamoto K; Whitelaw M L; Tanaka H; Poellinger L
CS Department of Cell and Molecular Biology, Medical Nobel
Institute,

Karolinska Institute, S-171 77 Stockholm, Sweden.

SO The Journal of biological chemistry, (2001 Nov 9) Vol. 276, No.
45, pp.

41841-9. Electronic Publication: 2001-09-10.

Journal code: 2985121R. ISSN: 0021-9258.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200112

ED Entered STN: 19 Nov 2001

Last Updated on STN: 5 Jan 2003

Entered Medline: 5 Dec 2001

AB The intracellular dioxin (aryl hydrocarbon) receptor is a
ligand-activated

transcription factor that mediates the adaptive and toxic
responses to

environmental pollutants such as

2,3,7,8-tetrachlorodibenzo-p-dioxin and

structurally related congeners. Whereas the ligand-free

receptor is

characterized by its association with the molecular chaperone

hsp90,

exposure to ligand initiates a multistep activation process

involving

nuclear translocation, dissociation from the hsp90 complex, and

dimerization with its partner protein Arnt. In this study, we

have

characterized a dioxin receptor deletion mutant lacking the

minimal

ligand-binding domain of the receptor. This mutant did not bind

ligand

and localized constitutively to the nucleus. However, this protein was functionally inert since it failed to dimerize with Arnt and to bind DNA.

In contrast, a dioxin receptor deletion mutant lacking the minimal PAS B motif but maintaining the N-terminal half of the ligand-binding domain showed constitutive dimerization with

Arnt, bound DNA, and activated transcription in a ligand-independent

manner. Interestingly, this mutant showed a more potent functional

activity than the dioxin-activated wild-type receptor in several different

cell lines. In conclusion, the constitutively active dioxin receptor may

provide an important mechanistic tool to investigate receptor-mediated

regulatory pathways in closer detail.

L3 ANSWER 6 OF 6 MEDLINE on STN DUPLICATE 5

AN 94344118 MEDLINE

DN PubMed ID: 8065341

TI Identification of functional domains of the aryl hydrocarbon receptor

nuclear translocator protein (ARNT).

AU Reisz-Porszasz S; Probst M R; Fukunaga B N; Hankinson O

CS Laboratory of Structural Biology and Molecular Medicine, University of

California, Los Angeles 90024-1786.

NC NCI CA16042 (NCI)

NCI CA28868 (NCI)

SO Molecular and cellular biology, (1994 Sep) Vol. 14, No. 9, pp. 6075-86.

Journal code: 8109087. ISSN: 0270-7306.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-U10325

EM 199409

ED Entered STN: 5 Oct 1994

Last Updated on STN: 5 Oct 1994

Entered Medline: 19 Sep 1994

AB The activated aryl hydrocarbon receptor (AHR) and the AHR nuclear translocator (ARNT) bind DNA as a heterodimer. Both proteins represent a

novel class of basic helix-loop-helix (bHLH)-containing transcription

factors in that (i) activation of AHR requires the binding of ligand

(e.g., 2,3,7,8-tetrachlorodibenzo-p-dioxin [TCDD]), (ii) the xenobiotic responsive element (XRE) recognized by the AHR/ARNT heterodimer differs from the recognition sequence for nearly all other bHLH proteins, and (iii) both proteins contain a PAS homology region, which in the *Drosophila* PER and SIM proteins functions as a dimerization domain. A cDNA for mouse ARNT has been cloned, and potential functional domains of ARNT were investigated by deletion analysis. A mutant lacking all regions of ARNT other than the bHLH and PAS regions is unimpaired in TCDD-dependent dimerization and subsequent XRE binding and only modestly reduced in ability to complement an ARNT-deficient mutant cell line, c4, in vivo. Both the first and second alpha helices of the bHLH region are required for dimerization. The basic region is required for XRE binding but not for dimerization. Deletion of either the A or B segments of the PAS region slightly affects TCDD-induced heterodimerization, while deletion of the complete PAS region severely affects (but does not eliminate) dimerization. Thus, ARNT possesses multiple domains required for maximal heterodimerization. Mutants deleted for PAS A, PAS B, and the complete PAS region all retain some degree of XRE binding, yet none can rescue the c4 mutant. Therefore, both the PAS A and PAS B segments, besides contributing to dimerization, apparently fulfill additional, unknown functions required for biological activity of ARNT.



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books
Search for [Save Search](#)

Limits Preview/Index History Clipboard Details

Did you mean: apo b mutation (645 items)

About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Display Show Sort by Send to

All: 13 Review: 0

Items 1 - 13 of 13

One page.

☐ 1: Godlewski J, Wang S, Wilson TG.

[Related Articles, Links](#)



Interaction of bHLH-PAS proteins involved in juvenile hormone reception in *Drosophila*.

Biochem Biophys Res Commun. 2006 Apr 21;342(4):1305-11. Epub 2006 Feb 28.

PMID: 16516852 [PubMed - indexed for MEDLINE]

☐ 2: Yang J, Zhang L, Erbel PJ, Gardner KH, Ding K, Garcia JA, Bruick RK.

[Related Articles, Links](#)



Functions of the Per/ARNT/Sim domains of the hypoxia-inducible factor.

J Biol Chem. 2005 Oct 28;280(43):36047-54. Epub 2005 Aug 29.

PMID: 16129688 [PubMed - indexed for MEDLINE]

☐ 3: Uchida T, Sato E, Sato A, Sagami I, Shimizu T, Kitagawa T.

[Related Articles, Links](#)



CO-dependent activity-controlling mechanism of heme-containing CO-sensor protein, neuronal PAS domain protein 2.

J Biol Chem. 2005 Jun 3;280(22):21358-68. Epub 2005 Mar 29.

PMID: 15797872 [PubMed - indexed for MEDLINE]

☐ 4: Yildiz O, Doi M, Yujnovsky I, Cardone L, Berndt A, Hennig S, Schulze S, Urbanke C, Sassone-Corsi P, Wolf E.

[Related Articles, Links](#)



Crystal structure and interactions of the PAS repeat region of the *Drosophila* clock protein PERIOD.

Mol Cell. 2005 Jan 7;17(1):69-82.

PMID: 15629718 [PubMed - indexed for MEDLINE]

☐ 5: Katschinski DM, Le L, Schindler SG, Thomas T, Voss AK, Wenger RH.

[Related Articles, Links](#)



Interaction of the PAS B domain with HSP90 accelerates hypoxia-inducible factor-1alpha stabilization.

Cell Physiol Biochem. 2004;14(4-6):351-60.

PMID: 15319539 [PubMed - indexed for MEDLINE]

☐ 6: Yoshimura T, Sagami I, Sasakura Y, Shimizu T.

[Related Articles, Links](#)



Relationships between heme incorporation, tetramer formation, and catalysis of a heme-regulated phosphodiesterase from *Escherichia coli*: a study of deletion and site-

directed mutants.

J Biol Chem. 2003 Dec 26;278(52):53105-11. Epub 2003 Oct 9.

PMID: 14551206 [PubMed - indexed for MEDLINE]

- ☐ 7: [McGuire J, Okamoto K, Whitelaw ML, Tanaka H, Poellinger L.](#) Related Articles, Links



Definition of a dioxin receptor mutant that is a constitutive activator of transcription: delineation of overlapping repression and ligand binding functions within the PAS domain.

J Biol Chem. 2001 Nov 9;276(45):41841-9. Epub 2001 Sep 10.

PMID: 11551926 [PubMed - indexed for MEDLINE]

- ☐ 8: [Wang L, Fabret C, Kanamaru K, Stephenson K, Dartois V, Perego M, Hoch JA.](#) Related Articles, Links



Dissection of the functional and structural domains of phosphorelay histidine kinase A of *Bacillus subtilis*.

J Bacteriol. 2001 May;183(9):2795-802.

PMID: 11292798 [PubMed - indexed for MEDLINE]

- ☐ 9: [Kronenberg S, Esser C, Carlberg C.](#) Related Articles, Links



An aryl hydrocarbon receptor conformation acts as the functional core of nuclear dioxin signaling.

Nucleic Acids Res. 2000 Jun 15;28(12):2286-91.

PMID: 10871357 [PubMed - indexed for MEDLINE]

- ☐ 10: [Yu W, Ikeda M, Abe H, Honma S, Ebisawa T, Yamauchi T, Honma K, Nomura M.](#) Related Articles, Links



Characterization of three splice variants and genomic organization of the mouse BMAL1 gene.

Biochem Biophys Res Commun. 1999 Jul 14;260(3):760-7.

PMID: 10403839 [PubMed - indexed for MEDLINE]

- ☐ 11: [Sun W, Zhang J, Hankinson O.](#) Related Articles, Links



A mutation in the aryl hydrocarbon receptor (AHR) in a cultured mammalian cell line identifies a novel region of AHR that affects DNA binding.

J Biol Chem. 1997 Dec 12;272(50):31845-54.

PMID: 9395531 [PubMed - indexed for MEDLINE]

- ☐ 12: [Numayama-Tsuruta K, Kobayashi A, Sogawa K, Fujii-Kuriyama Y.](#) Related Articles, Links



A point mutation responsible for defective function of the aryl-hydrocarbon-receptor nuclear translocator in mutant Hepa-1c1c7 cells.

Eur J Biochem. 1997 Jun 1;246(2):486-95.

PMID: 9208942 [PubMed - indexed for MEDLINE]

- ☐ 13: [Fukunaga BN, Probst MR, Reisz-Porszasz S, Hankinson O.](#) Related Articles, Links



Identification of functional domains of the aryl hydrocarbon receptor.

J Biol Chem. 1995 Dec 8;270(49):29270-8.

PMID: 7493958 [PubMed - indexed for MEDLINE]

Display Show Sort by Send to

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	61	(pas-B or (pas adj B) or pasB)	USPAT	OR	OFF	2006/08/22 18:14
L2	4	l1 near8 (variant or mutant or mutated or mutation or mutating or substitute or substitution or substituted or substituting)	USPAT	OR	OFF	2006/08/22 18:15
L3	0	l1 near6 (structure)	USPAT	OR	OFF	2006/08/22 18:15



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for pas-b structure function [Save Search](#)

Did you mean: apo b structure function (352 items)

About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Display Summary Show 20 Sort by Send to

All: 12 Review: 0

Items 1 - 12 of 12

One page.

☐ 1: Card PB, Erbel PJ, Gardner KH.

[Related Articles, Links](#)



Structural basis of ARNT PAS-B dimerization: use of a common beta-sheet interface for hetero- and homodimerization.

J Mol Biol. 2005 Oct 28;353(3):664-77. Epub 2005 Sep 6.

PMID: 16181639 [PubMed - indexed for MEDLINE]

☐ 2: Yang J, Zhang L, Erbel PJ, Gardner KH, Ding K, Garcia JA, Bruick RK.

[Related Articles, Links](#)



Functions of the Per/ARNT/Sim domains of the hypoxia-inducible factor.

J Biol Chem. 2005 Oct 28;280(43):36047-54. Epub 2005 Aug 29.

PMID: 16129688 [PubMed - indexed for MEDLINE]

☐ 3: Uchida T, Sato E, Sato A, Sagami I, Shimizu T, Kitagawa T.

[Related Articles, Links](#)



CO-dependent activity-controlling mechanism of heme-containing CO-sensor protein, neuronal PAS domain protein 2.

J Biol Chem. 2005 Jun 3;280(22):21358-68. Epub 2005 Mar 29.

PMID: 15797872 [PubMed - indexed for MEDLINE]

☐ 4: Yildiz O, Doi M, Yujnovsky I, Cardone L, Berndt A, Hennig S, Schulze S, Urbanke C, Sassone-Corsi P, Wolf E.

[Related Articles, Links](#)



Crystal structure and interactions of the PAS repeat region of the Drosophila clock protein PERIOD.

Mol Cell. 2005 Jan 7;17(1):69-82.

PMID: 15629718 [PubMed - indexed for MEDLINE]

☐ 5: Katschinski DM, Le L, Schindler SG, Thomas T, Voss AK, Wenger RH.

[Related Articles, Links](#)



Interaction of the PAS B domain with HSP90 accelerates hypoxia-inducible factor-1alpha stabilization.

Cell Physiol Biochem. 2004;14(4-6):351-60.

PMID: 15319539 [PubMed - indexed for MEDLINE]

☐ 6: Korkalainen M, Tuomisto J, Pohjanvirta R.

[Related Articles, Links](#)



Primary structure and inducibility by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) of aryl hydrocarbon receptor repressor in a TCDD-sensitive and a TCDD-resistant rat

strain.

Biochem Biophys Res Commun. 2004 Feb 27;315(1):123-31.

PMID: 15013435 [PubMed - indexed for MEDLINE]

☐ 7: [Razeto A, Pfitzner E, Becker S.](#)

[Related Articles, Links](#)



Crystallization and preliminary crystallographic studies of the NCoA-1/SRC-1 PAS-B domain bound to the LXXLL motif of the STAT6 transactivation domain.

Acta Crystallogr D Biol Crystallogr. 2004 Mar;60(Pt 3):550-2. Epub 2004 Feb 25.

PMID: 14993689 [PubMed - indexed for MEDLINE]

☐ 8: [Razeto A, Ramakrishnan V, Litterst CM, Giller K, Griesinger C, Carlomagno T, Lakomek N, Heimburg T, Lodrini M, Pfitzner E, Becker S.](#)

[Related Articles, Links](#)



Structure of the NCoA-1/SRC-1 PAS-B domain bound to the LXXLL motif of the STAT6 transactivation domain.

J Mol Biol. 2004 Feb 13;336(2):319-29.

PMID: 14757047 [PubMed - indexed for MEDLINE]

☐ 9: [Erbel PJ, Card PB, Karakuzu O, Bruick RK, Gardner KH.](#)

[Related Articles, Links](#)



Structural basis for PAS domain heterodimerization in the basic helix--loop--helix-PAS transcription factor hypoxia-inducible factor.

Proc Natl Acad Sci U S A. 2003 Dec 23;100(26):15504-9. Epub 2003 Dec 10.

PMID: 14668441 [PubMed - indexed for MEDLINE]

☐ 10: [Yoshimura T, Sagami I, Sasakura Y, Shimizu T.](#)

[Related Articles, Links](#)



Relationships between heme incorporation, tetramer formation, and catalysis of a heme-regulated phosphodiesterase from Escherichia coli: a study of deletion and site-directed mutants.

J Biol Chem. 2003 Dec 26;278(52):53105-11. Epub 2003 Oct 9.

PMID: 14551206 [PubMed - indexed for MEDLINE]

☐ 11: [Wang L, Fabret C, Kanamaru K, Stephenson K, Dartois V, Perego M, Hoch JA.](#)

[Related Articles, Links](#)



Dissection of the functional and structural domains of phosphorelay histidine kinase A of Bacillus subtilis.

J Bacteriol. 2001 May;183(9):2795-802.

PMID: 11292798 [PubMed - indexed for MEDLINE]

☐ 12: [Reisz-Porszasz S, Probst MR, Fukunaga BN, Hankinson O.](#)

[Related Articles, Links](#)



Identification of functional domains of the aryl hydrocarbon receptor nuclear translocator protein (ARNT).

Mol Cell Biol. 1994 Sep;14(9):6075-86.

PMID: 8065341 [PubMed - indexed for MEDLINE]

Display Show Sort by Send to

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)



A service of the National Library of Medicine
and the National Institutes of Health

My NCBI
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for pas-b mutant [Save Search](#)

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort by Send to

About Entrez

Text Version

All: 7 Review: 0

Items 1 - 7 of 7

One page.

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation

Matcher

Batch Citation

Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

☐ 1: [Koudo R, Kurokawa H, Sato E, Igarashi J, Uchida T, Sagami I, Kitagawa T, Shimizu T.](#) Related Articles, Links

Spectroscopic characterization of the isolated heme-bound PAS-B domain of neuronal PAS domain protein 2 associated with circadian rhythms.
FEBS J. 2005 Aug;272(16):4153-62.
PMID: 16098197 [PubMed - indexed for MEDLINE]

☐ 2: [Yoshimura T, Sagami I, Sasakura Y, Shimizu T.](#) Related Articles, Links

Relationships between heme incorporation, tetramer formation, and catalysis of a heme-regulated phosphodiesterase from Escherichia coli: a study of deletion and site-directed mutants.
J Biol Chem. 2003 Dec 26;278(52):53105-11. Epub 2003 Oct 9.
PMID: 14551206 [PubMed - indexed for MEDLINE]

☐ 3: [McGuire J, Okamoto K, Whitelaw ML, Tanaka H, Poellinger L.](#) Related Articles, Links

Definition of a dioxin receptor mutant that is a constitutive activator of transcription: delineation of overlapping repression and ligand binding functions within the PAS domain.
J Biol Chem. 2001 Nov 9;276(45):41841-9. Epub 2001 Sep 10.
PMID: 11551926 [PubMed - indexed for MEDLINE]

☐ 4: [Sun W, Zhang J, Hankinson O.](#) Related Articles, Links


A mutation in the aryl hydrocarbon receptor (AHR) in a cultured mammalian cell line identifies a novel region of AHR that affects DNA binding.
J Biol Chem. 1997 Dec 12;272(50):31845-54.
PMID: 9395531 [PubMed - indexed for MEDLINE]

☐ 5: [Numayama-Tsuruta K, Kobayashi A, Sogawa K, Fujii-Kuriyama Y.](#) Related Articles, Links


A point mutation responsible for defective function of the aryl-hydrocarbon-receptor nuclear translocator in mutant Hepa-1c1c7 cells.
Eur J Biochem. 1997 Jun 1;246(2):486-95.
PMID: 9208942 [PubMed - indexed for MEDLINE]

☐ 6: [Fukunaga BN, Probst MR, Reisz-Porszasz S, Hankinson O.](#) Related Articles, Links

Identification of functional domains of the aryl hydrocarbon receptor.

 J Biol Chem. 1995 Dec 8;270(49):29270-8.
PMID: 7493958 [PubMed - indexed for MEDLINE]

☐ 7: [Reisz-Porszasz S, Probst MR, Fukunaga BN, Hankinson O.](#) Related Articles, Links

 Identification of functional domains of the aryl hydrocarbon receptor nuclear translocator protein (ARNT).
Mol Cell Biol. 1994 Sep;14(9):6075-86.
PMID: 8065341 [PubMed - indexed for MEDLINE]

Display Summary Show 20 Sort by Send to

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Aug 14 2006 08:07:58